



# 2001 Toxics Release Inventory

## MONTANA

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	62,744,079
Air Emissions	4,292,997
Surface Water Discharges	48,785
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	369,092
On-site Land Releases to RCRA Subtitle C Landfills	2,395
Other On-site Land Releases	58,030,810
Off-site Releases (Transfers Off-site to Disposal)*	2,644,099
<b>Total On- and Off-site Releases</b>	<b>65,388,178</b>
Recycled On-site	8,626,607
Recycled Off-site	62,534
Energy Recovery On-site	3,948,532
Energy Recovery Off-site	41,063
Treated On-site	10,499,243
Treated Off-site**	36,449
Quantity Released On- and Off-site***	51,214,536
<b>Total Production-related Waste Managed</b>	<b>74,428,965</b>
<b>Non-production-related Waste Managed</b>	<b>12,029,507</b>

### Transfers Off-site for Further Waste Management, including Disposal

Recycling	102,939
Energy Recovery	36,638
Treatment	39,313
Publicly Owned Treatment Works (POTWs)	1,619
Metals and Metal Category Compounds*	14
Non-metal TRI Chemicals**	1,605
Other Off-site Transfers****	227,840
Transfers Off-site to Disposal (not including metals to POTWs)	2,808,061
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>3,216,411</b>

\* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

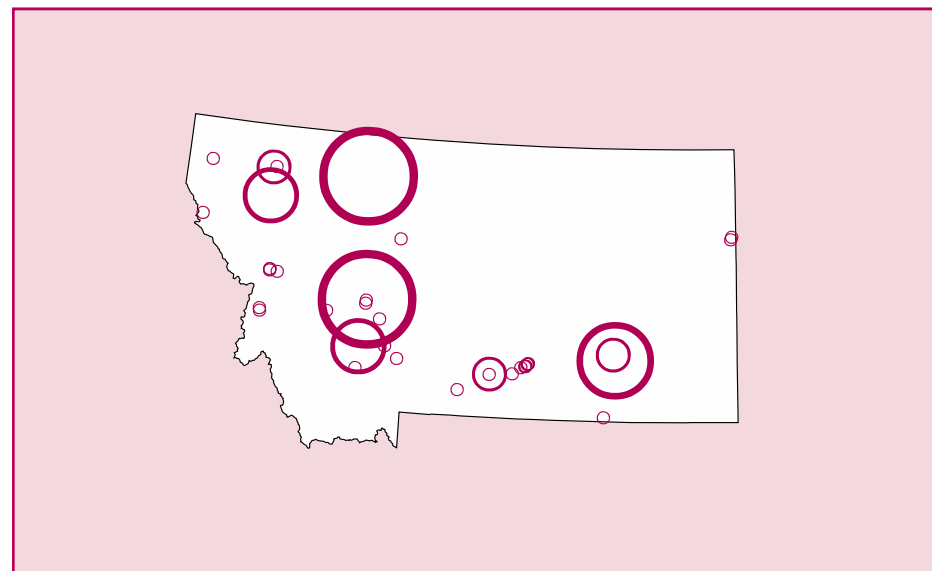
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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Montana. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	905,382
Square Miles	145,556
Total Facilities	49
Total Forms	293
Form As	34

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	25
Pounds	65,388,178
<b>National Rank for Total On-site Releases**</b>	
Rank	25
Pounds	62,744,079
<b>National Rank for Total Releases within State***</b>	
Rank	25
Pounds	63,507,964
<b>National Rank for Production-related Waste Managed</b>	
Rank	44
Pounds	74,428,965

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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## MONTANA

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	6,624	14	0	24,009,658	763,254	24,779,550	92,100	1,555	761,699
—	Lead compounds	6,913	349	10,813	14,054,719	791,161	14,863,955	48,301	7,297	783,864
—	Barium compounds	89,853	5	0	8,290,628	278,000	8,658,486	0	278,000	0
—	Copper compounds	12,595	10	47,757	3,385,422	40,273	3,486,057	19,800	23,677	16,596
—	Manganese compounds	10,975	24,006	0	2,855,009	48,827	2,938,817	150	47,505	1,322

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	6,913.38	349.20	10,813.00	14,054,718.70	791,160.58	14,863,954.86	48,301.20	7,296.90	783,863.68
7439-92-1	Lead	327.70	24.00	0.00	82,820.00	1,238.40	84,410.10	0.00	1,238.40	0.00
—	Mercury compounds	1,772.40	0.04	18.00	7,159.50	426.41	9,376.35	0.00	31.00	395.41
—	Polycyclic aromatic compounds	2,213.19	7.00	0.00	885.80	50.90	3,156.89	0.00	22.90	28.00
7439-97-6	Mercury	69.80	2.40	0.00	430.80	6.80	509.80	0.00	6.80	0.00
191-24-2	Benzo(g,h,i)perylene	153.71	0.00	0.00	0.30	2.20	156.21	0.00	1.80	0.40
118-74-1	Hexachlorobenzene	11.70	0.00	0.00	0.00	0.00	11.70	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>17.593</i>	<i>0.162</i>	<i>0.000</i>	<i>0.049</i>	<i>0.152</i>	<i>17.956</i>	<i>0.000</i>	<i>0.152</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1336-36-3	Polychlorinated biphenyls (PCBs)	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

## MONTANA

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Montana Tunnels Mining Inc., Jefferson City, Jefferson	9,850	0	0	0	0	23,633,174	23,643,024	0	0
ASARCO Inc., East Helena, Lewis And Clark	12,252	166	0	0	0	20,063,922	20,076,340	0	2,194,380
Colstrip Steam Electric Station, Colstrip, Rosebud	286,163	0	0	0	0	10,819,248	11,105,411	254,951	25
Golden Sunlight Mines Inc., Whitehall, Jefferson	54,580	0	0	0	0	2,548,199	2,602,779	0	0
Stone Container Corp., Missoula, Missoula	1,443,054	32,691	0	0	0	31,419	1,507,164	670	255
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	585,297	0	0	0	0	171,592	756,889	0	0
SMC Nye Mine Site, Nye, Stillwater	21	0	0	369,092	0	362,498	731,611	175,148	1
Plum Creek Mdf Inc., Columbia Falls, Flathead	697,550	0	0	0	0	0	697,550	0	0
Conoco Inc. Billings Refy., Billings, Yellowstone	236,466	306	0	0	0	0	236,772	0	0
Stillwater Mining Co. East Boulder Ops., Big Timber, Sweet Grass	247	0	0	0	0	225,583	225,830	0	0

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Montana Tunnels Mining Inc., Jefferson City, Jefferson	169.20	0.00	0.00	0.00	0.00	8,187,629.00	8,187,798.20	0.00	0.00
ASARCO Inc., East Helena, Lewis And Clark	4,336.00	1.00	0.00	0.00	0.00	5,776,075.00	5,780,412.00	0.00	784,237.00
Golden Sunlight Mines Inc., Whitehall, Jefferson	8.10	0.00	0.00	0.00	0.00	82,429.00	82,437.10	0.00	0.00
Colstrip Steam Electric Station, Colstrip, Rosebud	1,728.46	0.00	0.00	0.00	0.00	54,348.00	56,076.46	701.00	5.12
SMC Nye Mine Site, Nye, Stillwater	0.87	0.00	0.00	10,831.00	0.00	19,498.00	30,329.87	4,949.00	1.00
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	1,627.00	0.00	0.00	0.00	0.00	13,473.00	15,100.00	0.00	0.00
Stillwater Mining Co. East Boulder Ops., Big Timber, Sweet Grass	9.00	0.00	0.00	0.00	0.00	9,295.00	9,304.00	0.00	0.00
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	1,501.00	0.00	0.00	0.00	0.00	743.00	2,244.00	0.00	0.00
Lewis & Clark Station, Sidney, Richland	85.00	26.40	0.00	0.00	0.00	824.40	935.80	1,058.00	0.00
Stone Container Corp., Missoula, Missoula	190.90	351.20	0.00	0.00	0.00	153.60	695.70	664.80	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2001 Toxics Release Inventory

## MONTANA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Montana Tunnels Mining Inc., Jefferson City, Jefferson	0	25,815	0	0	0	0	20,682,625	20,708,440	702,662
Colstrip Steam Electric Station, Colstrip, Rosebud	0	1,601	0	0	2,500,000	474	11,344,890	13,846,966	0
ASARCO Inc., East Helena, Lewis And Clark	6,898,619	0	0	0	0	0	10,944,629	17,843,248	11,326,091
Golden Sunlight Mines Inc., Whitehall, Jefferson	0	0	0	0	0	0	2,579,389	2,579,389	0
Stone Container Corp., Missoula, Missoula	0	0	3,470,000	428	2,840,891	1	1,499,381	7,810,700	0
SMC Nye Mine Site, Nye, Stillwater	423	0	0	0	23,096	0	906,760	930,279	0
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	0	0	0	0	0	0	756,889	756,889	0
Plum Creek Mdf Inc., Columbia Falls, Flathead	0	0	0	0	0	0	696,300	696,300	0
Conoco Inc. Billings Refy., Billings, Yellowstone	0	50	0	0	9,020	4,305	236,773	250,148	0
Stillwater Mining Co. East Boulder Ops., Big Timber, Sweet Grass	0	0	0	0	0	0	225,830	225,830	0

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Montana Tunnels Mining Inc., Jefferson City, Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	5,491,146.00	5,491,146.00	443,932.00
ASARCO Inc., East Helena, Lewis And Clark	4,643,364.00	0.00	0.00	0.00	0.00	0.00	1,322,530.00	5,965,894.00	5,242,119.00
Golden Sunlight Mines Inc., Whitehall, Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	82,429.00	82,429.00	0.00
Colstrip Steam Electric Station, Colstrip, Rosebud	0.00	1.00	0.00	0.00	0.00	5.00	56,776.00	56,783.00	0.00
SMC Nye Mine Site, Nye, Stillwater	1.00	0.00	0.00	0.00	0.00	0.00	35,280.00	35,281.00	0.00
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	0.00	0.00	0.00	0.00	0.00	0.00	15,100.00	15,100.00	0.00
Holcim Trident Plant, Three Forks, Gallatin	0.00	0.00	0.00	0.00	0.00	0.00	14,561.00	14,561.00	0.00
Stillwater Mining Co. East Boulder Ops., Big Timber, Sweet Grass	0.00	0.00	0.00	0.00	0.00	0.00	9,304.00	9,304.00	0.00
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	178.00	0.00	0.00	0.00	0.00	0.00	2,244.00	2,422.00	0.00
Lewis & Clark Station, Sidney, Richland	0.00	0.00	0.00	0.00	0.00	0.00	1,994.00	1,994.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.